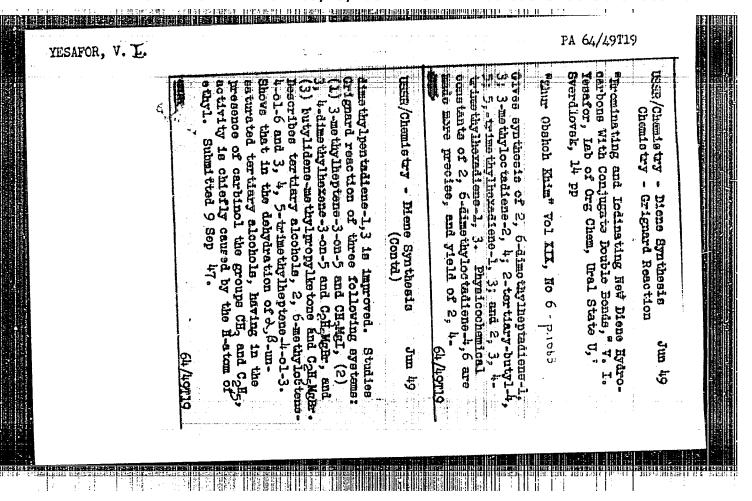
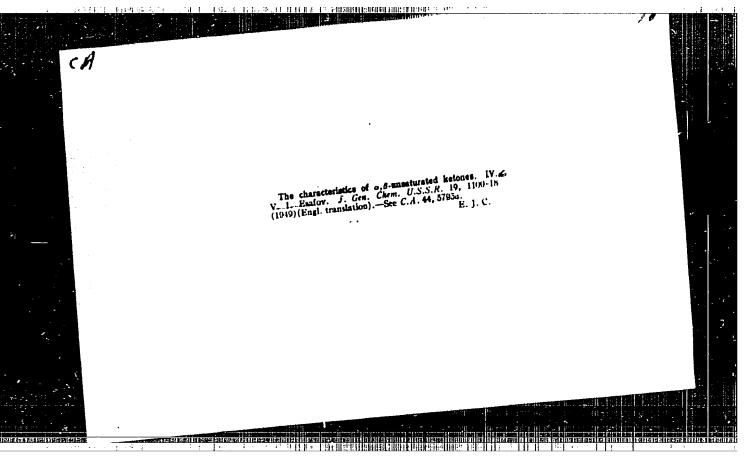


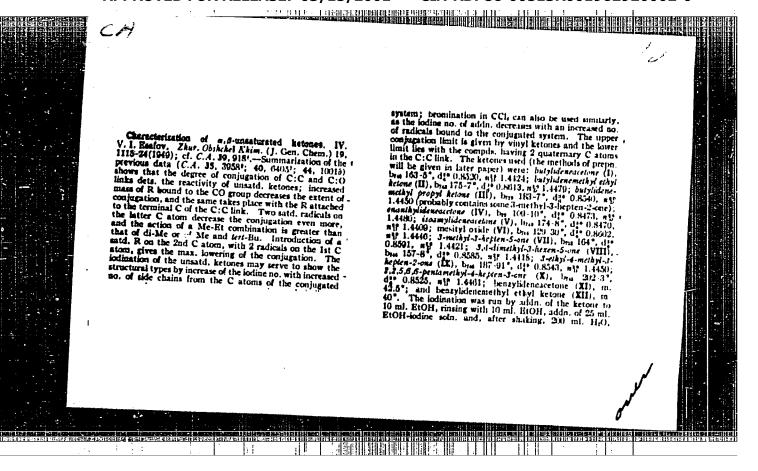
ESSAFOV, V. I.

\*On the Attempt to Synthetize the Ketones of the Cyclopentene Series. II"
(p. 1518)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1947, Vol. 17, No. 3





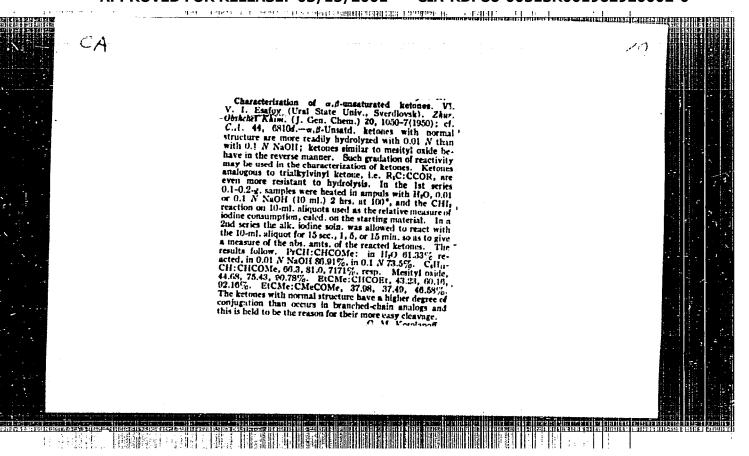


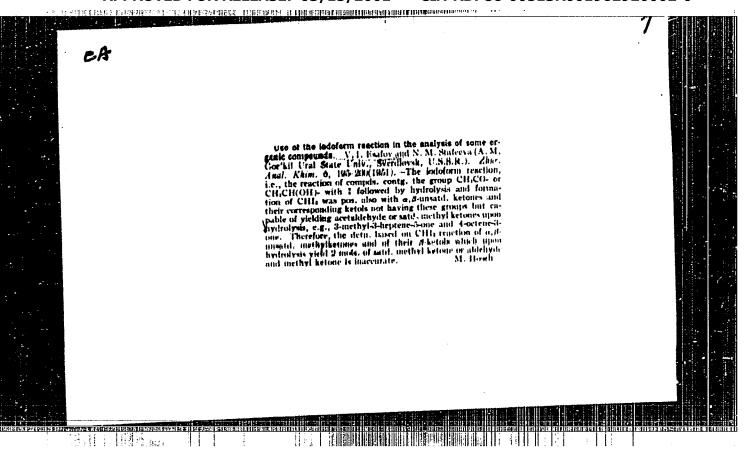
followed by shaking and letting stand 5 min, or longer, and tilration of the excess iodine with thiomiliate, while III is calcd, from the reaction with 10 ml. 2% KIO, and a 2nd tilration with thiomiliate; brominations were done in CCl<sub>1</sub>, the mixts, allowed to stand 30 min, after mixing, and the IBr generated calcd, similarly from the reaction with KI and KIO. In 5 min, I gave an iodine no. of 3.5-3.9 with 6.9-6.1% III formation, while a 1370-min, reaction gave 27.6-32.2 and 79.1-83.5%, resp.; III in 5 min, gave 34.5-6.2 and 10.5-18.0%, tesp. (longer run not min, gave 25.7-19.7 and 67.3-78.5%, resp.; III in 5 min, gave 24.5-6.2 and 10.5-18.0%, tesp. (longer run not made); III in 5 min, gave 5.1-3.0 bodine no. (III not reported) while 1350 min, gave 15.1-18.6 and 15.8-17.0%, resp.; III in 5 min, gave 8.8-5.9 and 35.6-7.0%, resp.; III in 5 min, gave 15.1-18.6 and 16.8-17.0%, resp.; III in 5 min, gave 105.4 and 46.9% III, resp.; it is 5 min, gave 4.8-6.1 iodine no. and 33.1-44.0% III; in 5 min, gave 4.8-6.1 iodine no. and 33.1-44.0% III; while 1700 min, gave 156.7-3.5 and 69.2-64.0%, resp.; IVII is 5 min, gave 96.3-89.2 and 600-6.4%, resp.; IVII is 5 min, gave 96.3-89.2 and 600-6.4%, resp.; IVI in 5 min, gave 109.7-5.7 and 82.5-72.3%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV in 5 min, gave 30.6-8.3 and 40.2-2.0%, resp.; IV

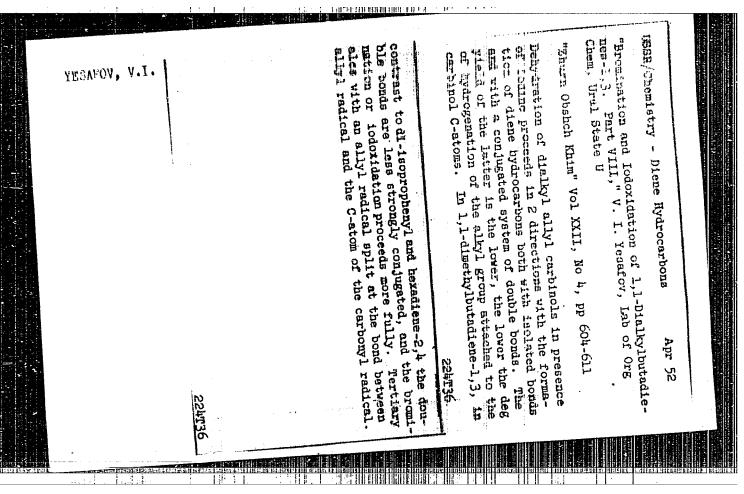
low degree of conjugation, with allowance being made for the case of enolization. V. V. I. Raslov and V. V. Sergovskaya. Ibid. 17:3) 3.—Ithylidestacetone (1) has the highest degree of conjugation of unsate, in the RCH: CHAc series, i.e., increase of R increases the independence of the ethylene bond. I does not react in aq. alc. soln, with 0.1 N iodine, while with 0.2 N soln, the iodine no. is but 1.57% of theory, and even a 0.5 N soln, gives but 2.39% lodine no. (of theory); the butylidene analog gives 1.53, 4.39, and 17.75% of the theoretical iodine no. under the same conditions. Best preprint of 1: 550 ml. MecCO and 700 ml. 1.4% aq. NaOH treated at 0° with 120 g. AcH in 230 ml. HsO, procooled to -2° over 6 lars, let stand overnight at 0°, neutralined with AcOH, and satd, with NaCl, gave on exts. with RtO and distr. in the presence of a crystal of iodine, 16.5% of the product, be 119-21°, d2° 0.8514, at 1.4329. Homination of I at 0° in CCl, gives 98% of the theoretical uptake, even with twice the theoretical amt. of Hr; no HBr is evolved.

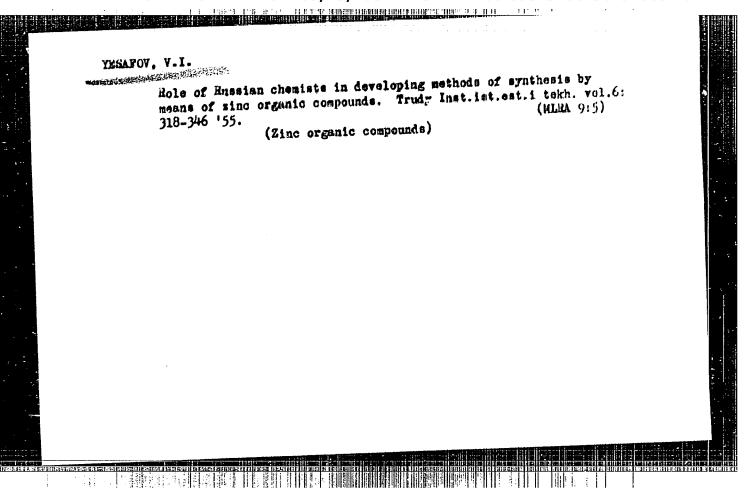
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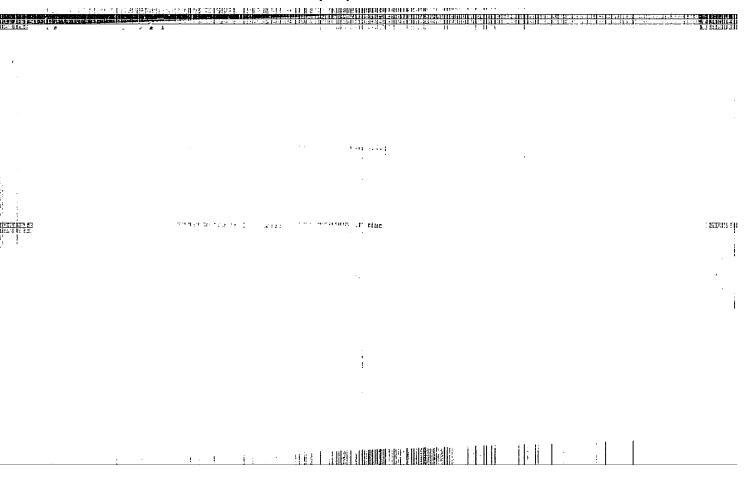
			TI OTI TITO STATE OF THE	Millian II St. 11 11 11 11 11 11 11 11 11 11 11 11 11	Th 2/50130	2.
Yeslfou, V	2/50T30	when synthesis is carried out at -150 C. At high temperatures chief secondary reaction is reduction of camphor into borneol. Submitted 29 Mar 48.	2/50r30 USSR/Chemistry - Alcohols Synthesis (Contd)	rield of tertiary methylborneol, synthesized by interaction of camphor and Unite, is decreased interaction of camphor and Unite, is decreased at high temperatures chiefly because of enclisation of camphor aire of camphor. At 15°C, enclisation of camphor is accompanied by formation of secondary compounds containing camphor, latter reaction being chief containing camphor, latter reaction being chief containing camphor, latter reaction being chief campe of a reduced yield of tertiary alcohol	"The Synthesis of Tertiary Alcohols Using Compbores a nage, I," y. I. Tesafov, N. I. Movikov, Lab of Org Chem, Ural State U, Sverdlovsk, 62 pp "Zhur Obshch Khim" yol XIX, No 7	USEN/Chemistry - Alcohols Synthesis











APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962920002-0"

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962920002-0"

# TESAFOY, V.I. Chemical structure of C<sub>12</sub> H<sub>14</sub> and synthesis of new phenylated diene (1,3) hydrocarbone. Part 7. Zhur.ob.khim. 27 no.10:2667-2675 0 '57. 1. Ural'skiy gosudarstvennyy universitet. (Chemical structure) (Hydrocarbons)

AUTHOR:

Yesafov, V. I.

74-18-4-17/69

TITLE:

Investigation of the Thermal Pecomposition of Magnesius Iodide Ethers (frucheniye termionesmore raphozhopiya

effratov vod stogo magniya)

I. On the Chemistry of Oxonium Compounds (I. K khimii oksoniyevykh soyedineniy)

PERIODICAL: Zburnal Obshchey Khimil, 1958, Volo 28, Nr 5,

ppo 1212-1218 (USSR)

ABSTRACT:

The present investigation aimed at determining the degree of the binding stability of the other molecules of the mentioned compounds; for this also the method of thermal decomposition was used which has to be preferred in the given case to other purely chemical methods. It was found that the ethers form diethers with magnesium, iodide and this with a weak binding of the magnosium with the oxygen of the einer molecules whereby they decompose into thermal decomposition to magnesium lodide and other, it showed that the ethers with regard to their capability to form various kinds of magnesium lodide thethers, defrag from

Card 1/3

earnother. Some ethers form one and the same my decision.iodide

Investigation of the Thermal Decomposition of Magnesium 79-28-5-17/69 Iodide Sthers.

I. On the Chemistry of Oxonium Compounds

The property of a mixture of magnesium indide two kinds from group yields magnesium indide for hours of two kinds from group yields magnesium indide for hours of two kinds from from is obtained of magnesium or by displacement from the other from the object for the magnesia findide diethers of the second form the object from the object for the object from the object for the second indices of the second kind with the magnesium. It was further shown that in the thermal reaction of the magnesium indices objects of the second kind with the greatic ethers the object for making other separates in free state. The transfer of a solid chemical bond of magnesium to the expense.

Card 2/3

### CIA-RDP86-00513R001962920002-0 "APPROVED FOR RELEASE: 03/15/2001

Investigation of the Thermal Decomposition of Magnesium 79-20-5-17/67

T. On the Chemistry of Gron am Compounds

of the the ether schedule in the magnesium iodide diether of the second dama proves its examium nature, broad a scheme for the thermal decomposition of the magnes um iodide diether of the second kind was proposed. There are a references, " of shien you down the

ASSOCIATION: Hra? takiy resuderstvennyy universitet

(No. 1 "tote University)

SUBMITTED: May 4, 1957

Cand 3/4

CIA-RDP86-00513R001962920002-0" APPROVED FOR RELEASE: 03/15/2001

AUTHOR:

Yesefov, V. I.

79-28-5-18/69

TITLE:

Investigation of the Thermal Decomposition of the Reaction Products of Dioxane With Magnesium Iodida-Diether, Magnesium-Iodida and the Mixture of Magnesium and Iodine (Izucheniye termicheskogo razlozheniya produktov vzaimodeystviya dioksana s diefiratom yodistogo magniya, yodistym magniyem i smes'yu magniya s yodom )II. On the Chemistry of Oxonium Compounds

(II. K khimii oksoniyevykh soyedineniy)

PERIODICAL:

Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 5,

pp# 1218 - 1221 (USSR)

ABSTRACT:

After it was found that ethers with magnesium iodide yield compounds of the formula MgJ2.2ROR which on heating decompose

again to their initial products, it was of interest to investigate analogous compounds containing dioxane. Above all it was found that in the action of dioxane on MgJ<sub>2</sub>.2(C<sub>2</sub>H<sub>5</sub>)0 and RMgHal.2(C<sub>2</sub>H<sub>5</sub>)0 (Reference 2) a complete analogy exists.

The dioxane displaces equimolecularly the ethyl ether from these compounds. Different from the ethers, the compound

Card 1/3

79-28-5-18/69

Investigation of the Thermal Decomposition of the Reaction Products of Dioxane With Magnesium Todide-Diether, Magnesium Todide and the Mixture of Magnesium and Todine . II. On the Chemistry of Oxonium Compounds

MgJ2 with dioxane, MgJ2.2C4H802, on heating separates only half of the dioxane contained in it, the other half suffering decomposition. Thus the oxygen atoms of dioxane have a greater capability to form oxonium salts than the ethers, and they yield more stable oxonium compounds. The most typical oxonium compound of dioxane is obtained in its reaction with a mixture of magnesium and iodine. This product must be regarded as oxonium salt of symmetrical (formula I) or asymmetrical structure (II). The question if these salts form at the same time, or if first salt (I) is formed which then converts to salt (II) remains unsettled. It is only clear that in salt (I) if it remains unchanged on heating the  $\beta$ ,  $\beta$ '-diiodine-diether would have to be found among the decomposition products, which was not observed. The experimental results speak fully in favor of structure (II). Among the decomposition products of this salt there were found: dioxane, ethylene, ethylene iodide.

Card 2/3

79-28-5-18/69

Investigation of the Thermal Decomposition of the Reaction Products of Dioxane With Magnesium Iodide Diether, Magnesium Iodide and the Mixture of Magnesium and Iodine. II. On the Chemistry of Oxonium Compounds

ethyl iodide, acetic anhydride, iodine and magnesium. After all the results of the reaction of dioxane with the mixture of magnesium and iodine prove that the latter as well as the ethers in this case do not react according to the scheme

 $\mathbf{c_4}\mathbf{H_8}\mathbf{o_2}\mathbf{+}\mathbf{MgJ_2} \longrightarrow \mathbf{c_2}\mathbf{H_4}\mathbf{J_2}\mathbf{+}\mathbf{c_2}\mathbf{H_4}\mathbf{o_2}\mathbf{Mg}$ 

as a high-melting dioxonium salt is formed here instead of the low-melting ethylene icdide. There are 2 Soviet references.

ASSOCIATION:

Ural'skiy gosudarstvenny universitet ( Ural' State University)

SUBMITTED:

May 3, 1957

Card 3/3

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5 (3)
AUTHORS:
Yesafov, V. I., Stashkov, L. I., Sirotkin, L. 3.,
Suvorov, A. L., Novikov, Ye. G.

TITLE: On the Characteristics of the  $\alpha,\beta$ -Unsaturated Ketones. VII (K kharakteristike  $\alpha,\beta$ -nepredelinykh ketonov. VII)

ABSTRACT:

Card 1/2

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 3, pp 845-849 (USSR)

The present paper is issued as first publication of experimental data on the hydrolytic cleavage of the aliphatic aromatic  $\alpha$ ,  $\beta$ -unsaturated ketones containing an aryl radical which is directly combined with the carbonyl group. Ketones of this type were obtained by dehydration of the  $\beta$ -ketols which had been synthesized according to the method of Grignard,  $\gamma$ , and Colonge, I. (Ref 2).

 $(CH_3)_3C-C=0 + CH_3COAr \xrightarrow{C_6H_5N(CH_3)MgJ} (CH_3)_3C-C-CH_2COAr$ 

Experiments with respect to the hydrolytic cleavage of the  $\beta$ -ketols were carried out as well. The data of table 2 show that the  $\beta$ -ketols are far more unstable than the corresponding

On the Characteristics of the  $\alpha,\beta$ -Unsaturated Ketones. VII

 $\alpha,\beta$ -unsaturated ketones and prove to be more sensitive to very weak hydrolysis reagents. Besides, the behavior of the  $\beta$ -ketols in the hydrolysis differs from that of the  $\alpha,\beta$ -unsaturated ketones by the fact that a change of the NaOH-concentration exerts a slight influence upon the cleavage intensity of the  $\beta$ -ketols whereas the hydrolytic cleavage of the  $\alpha,\beta$ -unsaturated ketones is considerably influenced. The rate of hydrolysis of the aliphatic aromatic ketones investigated increases significantly when the NaOH concentration is increased from 0.01 to 0.1 n. 8  $\beta$ -ketols hitherto unknown were synthesized and described. It was determined how far the hydrolytic cleavage of the  $\beta$ -ketols and at the same time that of the  $\alpha,\beta$ -unsaturated ketones develops and it was proved that the latter separate by little HBr on bromination. There are 2 tables and 4 references, 2 of which are Soviet.

ASSOCIATION:

Ural'skiy gosudarstvennyy universitet (Ural State University)

SUBMITTED:

February 18, 1958

Card 2/2

5(3) AUTHOR:

Yesafov, V. I.

501/79-29-7-5/83

TITLE:

Synthesis of the Phenylated  $\alpha,\beta$ -Unsaturated Alcohols and the (1,3)-Diene Hydrocarbons.VIII (Sintez fenilirovannykh  $\alpha,\beta$ -nepredel'nykh spirtov i diyenovykh (1,3) uglevodorodov.VIII)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 7, pp 2129-2132 (USSR)

ABSTRACT:

In order to golve the problems concerning the separation of HOMgX from the forming magnesium halide carbinolates (Refs 1-5), the reaction of 2,2,3-trimethyl-5-p-arylpenten-3-ones-5 (Ar= $^{\rm C}_{6}$ H<sub>5</sub>, n= $^{\rm C}_{3}$ CeH<sub>4</sub>, n= $^{\rm C}_{2}$ H<sub>5</sub>CeH<sub>4</sub>), which may be present in cis-

and trans-forms with RMgX (Ref 4), are described here. The experiments showed that among the three homologous ketones 2,2,3-trimethyl-5-p-tolylpenten-3-one-5 produces the best yields in tertiary alcohols. These alcohols can be dehydrated only with difficulties. In the Grignard reaction the other two ketones mainly yielded diene hydrocarbons (1,3). This particular behavior might be explained also by the influence of a spatial factor. The phenylated diene hydrocarbons (1,3) of the structure (III) and (IV) obtained show, compared to the similar aliphatic

Card 1/2

compound (V) (Ref 3), a stronger stability of the double bond

Synthesis of the Phenylated  $\alpha,\beta$ -Unsaturated Alcohols and the (1,3) Diene Hydrocarbons. VIII

SOV/79-29-7-5/83

in position 3,4 and may be brominated therefore only with the separation of a high amount of HBr. The following d,  $\beta$ -unsaturated tertiary alcohols were newly synthesized and characterized: 2,2,3-trimethyl-5-p-tolylhexen-3-ol-5 and 2,2,3-trimethyl-5-p-tolylhepten-3-ol+5 as well as the phenylated diene hydrocarbons (1,3): 2-phenyl-4,5,5-trimethylhexadiene-1,3 and 2-p-ethyl-phenyl-4,5,5-trimethylhexadiene-1,3. It is assumed that the stability of the halogen magnesium carbinolates formed by Grignard reaction depends on  $\alpha$ ,  $\beta$ -unsaturated ketones. There are 1 table and 4 Soviet references.

ASSOCIATION: Ural'skiy gosudarstvennyy universitet (Ural State University)

SUBMITTED: March 17, 1958

Card 2/2

On the history of the origin of the stereochemical theory and the attitude of A.M. Butler and some of his contemporary West European chemists toward it. Trudy Instrict.est.i tekh.304-9-135-174 '60.

(Stereochemistry)

(Butlerov, Alexandr Mikhailovich, 1828-1886)

86499

53610

2209, 1373, 1153

5/079/60/030/011/004/026 B001/B066

AUTHORS:

Yesafov, V. I. and Yakunina, G. I.

TITLE:

Chemistry of Onium Compounds. III. Investigation of Thermal Decomposition of the Reaction Products of Tetrahydrofuran, q-Methyl Furan, Pyrrole, Thiophene With the Dietherate of Magnesium Iodide and With Magnesium Iodide

PERIODICAL:

Zhurnal obshchey khimii, 1960, Vol. 30, No. 11,

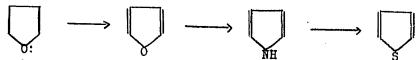
pp. 3572-3576

TEXT: V. I. Yesafov (Refs. 1,2) showed in his papers that the etherate MgI2.2(C2H5)20 is a very convenient agent for the relative estimation of the degree of aromaticity of the five-membered O-, N- and S-heterocyclic compounds. These heterocyclic compounds may be arranged in the following order on the basis of increasing difficulty in the release of the unshared electron pair of heteroatoms with formation of "onium compounds"; and for silvan, pyrrole, and thiophene with respect to the degree of stability increase of the electron sextet of heterocycles:

Card 1/4

86499

Chemistry of Onium Compounds. III. Investigation S/079/60/030/011/004/026 of Thermal Decomposition of the Reaction B001/B066 Products of Tetrahydrofuran, & -Methyl Furan, Pyrrole, Thiophene With the Dietherate of Magnesium Iodide and With Magnesium Iodide



This order is further confirmed by the experimental data of thermal decomposition of the reaction products of the mentioned heterocyclic compounds with anhydrous magnesium iodide. Tetrahydrofuran forms with the latter a compound which decomposes on heating by cleaving the heterocycle (Ref. 5). Silvan and pyrrole give, only on heating with magnesium iodide, compounds which decompose at high temperature, also under cleavage of the heterocycles. Also on prolonged heating, thiophene does not react with magnesium iodide. It follows from this that furan and pyrrole, as well as their compounds, maintain the "bentoide-like" state of electrons in the heterocycles only at low temperatures, with increasing temperature, however, this state is disturbed, in which connection the unshared electron pairs of oxygen and nitrogen are set free, and stable onium compounds are lormed with MgI:

Card 2/4

### 86439

Chemistry of Onium Compounds, III. Investigation 8/074/60/030/011/004/086 of Thermal Decomposition of the Reaction 8001/8066 Products of Tetrahydrofuran, x-Methyl Fuysh, Pyrodic. Thiophage With the Dietherate of Magnesium Iodide and With Magnesium Iedide

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which also explains the decomposition of C- and N=heterocycles on heating. It was thus shown that 1) tetrahydrofuran displaces the disthyl other from MgI<sub>2</sub>.2(O<sub>2</sub>H<sub>5</sub>)0 to form MgI<sub>2</sub>.20<sub>4</sub>H<sub>6</sub>O which is decomposed under cleavage of a molecule of tetrahydrofuran, that 2) silvan and pyrrole displace one molecule of other from MgI<sub>2</sub>.2(O<sub>2</sub>H<sub>5</sub>)<sub>2</sub>O, and give compounds with MgI<sub>6</sub> which decompose under cleavage of the heterocycles, that 3) thiophene reacts neither with MgI<sub>2</sub>.2(O<sub>2</sub>H<sub>5</sub>)<sub>2</sub>O nor with MgI<sub>2</sub>. It is assumed that the participation of heteroctoms in the formation of heterocycles increases their capability of forming onium compounds. This assumption is supported by the fact that dioxane and tetrahydrofuran give with MgI<sub>2</sub> stabler compounds than simple eliphatic ethers. C. I. Kusnetsova, I. F. Beliskiy, Card 3/4

### 86499

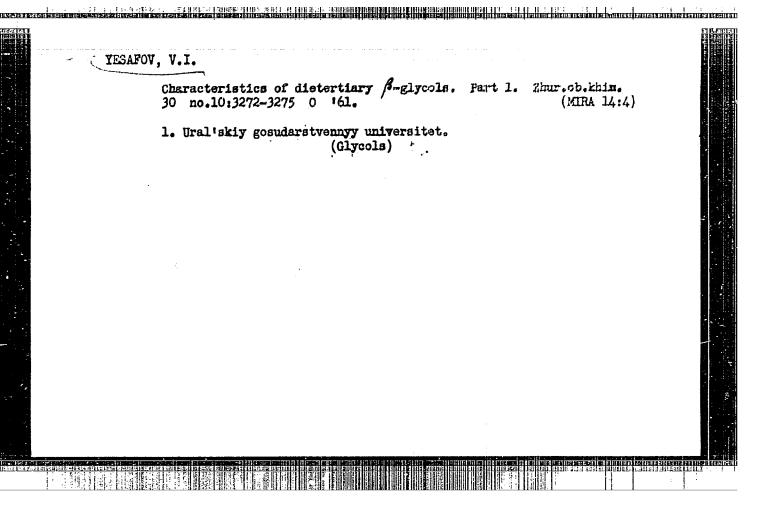
Chemistry of Onium Compounds. III. Investigation 6/079/60/030/014/004/026 of Thermal Decomposition of the Reaction 8/079/60/030/014/004/026 Products of Tetrahydrofuran, a -Nethyl Furan, Fyrrele, Thiophone With the Dietherate of Magnesium Icdide and With Magnesium Rodide

and S. Z. Tayte are thanked for making available the samples. There are 11 references: 5 Soviet, 4 US, 2 British, and 2 Garman,

ASSOCIATION: Ural'skiy gosudarstvennyy universitet (Ural State University)

SUBMITTED: August 18, 1999

Card 4/4



35276 2/190/62/004/006/002/026

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15.1220

AUTHORS:

Tager, A. A., Suvorova, A. I., Goldyrev, L. H., Yesafov,

V. I., Berestova, V. L.

TITLE:

Effect of the chemical structure of the plasticizer on the vitrification temperature of polymers. I. Plasticizing of

polystyrene with diphenic acid and naphthalic acid esters

PERIODICAL:

Vysokomolekulyarnyye soyedineniya, v. 4, no. 6, 1962,

803-808

TEXT: Thermomechanical curves were plotted for polystyrene (PSt) plasticized with 25 mole% of: monomethyl-, monoethyl-, and monobutyl diphenate; dimethyl-, diethyl-, ethyl-butyl-, dibuty -, ethyl-octyl-, and diheptyl diphenate; dimethyl, diethyl, and dibutyl naphthalate. The synthesis of ethyl-butyl diphenate (b.p. 167-168°C/1.5 mm Hg, MR 91.89) and of ethyl-octyl diphenate (MR 110.57), now produced for the first time, will be published. The compatibility of the plasticizer with PSt was studied on the basis of the critical mixing temperature, which lay at 100-130°C with diphenic acid monoester, below room temperature (sometimes Card 1/2

CIA-RDP86-00513R001962920002-0" APPROVED FOR RELEASE: 03/15/2001

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Effect of the chemical structure ...

at  $\sim$  -50°C) with lessers of this acid, and at room temperature with naphthalates. Psuits: (1) The vitrification temperature,  $T_v$ , of plasticized PSt drops with increasing compatibility. Pure PSt had  $T_v = 105^{\circ}\text{C}$ , PSt with monoesters had  $T_v = 40-70^{\circ}\text{C}$ , PSt with diphenic acid diesters yielded the lowest  $T_v$ .  $T_v$  dropped with increasing length of the alkyl radical: ethyl-octyl diphenate yielded  $T_v = -11^{\circ}\text{C}$ ; the naphthenates showed a low effect ( $T_v = 9-48^{\circ}\text{C}$ ). (2) With increasing content of CH<sub>2</sub> links in the alkyl radical,  $T_v$  of diphenic acid diesters approaches a minimum at  $T_{\text{CH}_2} = 10-12$ , and then rises again. (3) The

structure of the aromatic radical of the plasticizer affects  $T_v$ : diphenates (and phthalates) plasticize more intensively than naphthalates. There are 3 figures and 2 tables.

ASSOCIATION:

Ural'skiy gosudarstvennyy universitet im. A. M. Gor'kogo

(Ural State University imeni A. M. Gor'kiy)

SUBMITTED:

March 21, 1961

Card 2/2

38277

5/190/62/004/006/003/026

15.2220

I., Goldyrev, L. N., Yesafov, V. I., Tager, A. A., Suvorova,

Topina, L. P.

TITLE:

AUTHORS:

Effect of the chemical structure and the size of the plasticizer molecule on the vitrification temperature of polymers. II. Plasticizing of polymethyl methacrylate with

esters of diphenic and naphthalic acids

PERIODICAL:

Vysokomolekulyarnyye soyedineniya, v. 4, no. 6, 1962, 809-814

TEXT: Thermomechanical curves were plotted for polymethyl methacrylate (PMMA) plasticized with 25 mole% of: monomethyl, monoethyl, and monobutyl diphenate; dimethyl, diethyl, ethyl-butyl, dibutyl, and diheptyl diphenate; dimethyl, diethyl, and dibutyl naghthalate. Results: (1) The better the compatibility between polymer and plasticizer, the greater the drop in the vitrification temperature,  $T_v$ , of pure FLAM ( $T_v = 100^{\circ}$ C).

(2) Ty dropped with increasing length of the alkyl radicals of the diphenate down to a minimum (-9°C). (3) Mongesters of diphenic acid and naphthalates showed a lower plasticizing effect (T,~50°C). (4) The Card 1/2

CIA-RDP86-00513R001962920002-0" **APPROVED FOR RELEASE: 03/15/2001** 

Effect of the chemical structure ...

S/190/62/004/006/003/026 B101/B110

structure of the aromatic radical affects the plasticizing effect. The better plasticizing of diphenates is explained by the ability of the compound to be turned round the C-C bond between the two benzene rings. In the case of monoesters, the free COOH reduces the compatibility. (5) The molar concentration rule does not apply to the polymer plasticizer systems investigated. There are 5 figures and 1 table.

ASSOCIATION: Ural'skiy gosudarstvennyy universitet im. A. M. Gor'kogo

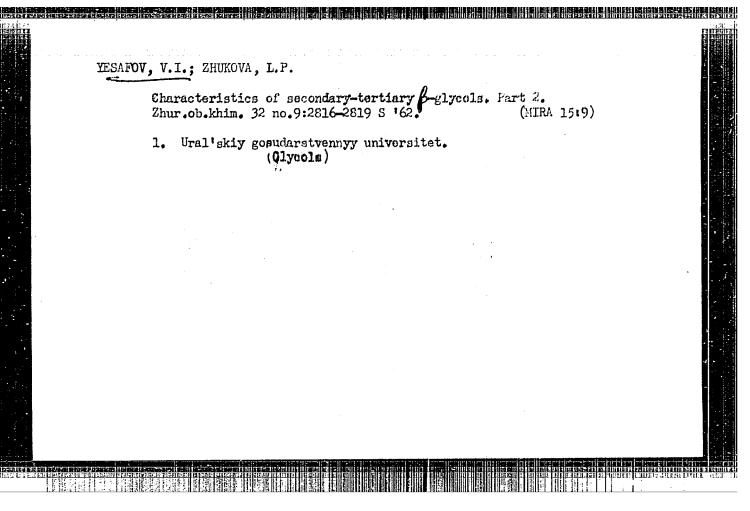
(Ural State University imeni A. M. Gor'kiy)

SUBMITTED: March 21, 1961

Card 2/2

## YESAFOV, V.1. History of the discovery of organic reactions in the presence of anhydrous aluminum halides. Trudy Inst.ist.est.i tekh. 39:104-140 \*62. (Friedel-Crafts reaction)

# YESAFOV, V.I.; SHITOV, G.P. Characteristics of primary-tertiary & glycols. Part 3. Zhur.ob.-khim. 32 no.9:2819-2822 S '62. 1. Ural'skiy gosudarstvennyy universitet. (Glycols)



YFSAFOV, V.I.; DASHKO, V.N.; MARKK, E.N.

C) ructeristics of secondary-tertiary A-glycols. Part 5. 75 mr.
b. khim. 34 no.12:4094-4096 D'64 (MIRA 18:1)

1. Ural'skiy gosudars tvennyy universitet.

USBR / Human and Animal Physiology (Normal and Pathological). Lymph Circulation.

Abs Jour

: Ref Zhur - Biologiya, No 13, 1958, No. 60370

Author

: Yesakov, A. I. : Not given

Inst Title

: Investigation of the "Automatic" Action of the Center

of Lymphatic Hearts

Orig Pub

: Zh. obshch. biologii, 1957, 18, No 3, 185-193

Abstract

: The contraction of the posterior lymph hearts (IH) in a frog was recorded on a kymograph. The warming of the spinal cord with a thermode on the level of the III vertebrum produced an increase in the contraction rate; the destruction of the cord on that level did not interrupt the rhythmical action of IH. It was stopped only when the spinal cord was destroyed at the VII vertebrum. The rhythmic activity of LH originates in the

Card 1/2

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T.SAMOV, A.I., 3-rad Bio Sci-(dire) "Study of the research continued to the no-colled automatic collevity of lymphatic hearth." on, 1956.

14 pp (Mos Greer of Benin and Order of Labor Red Benner State William L.V. Lomonocov), 150 collections.

## Metabolic factors of automatism (exemplified by the cerebrospinal center of lymph hearts). Zhur.ob.biol. 20 no.1:28-34 Ja-F '59. (MIRA 12:2) 1. Kafedra fiziologii shivotnykh Moskovskogo gosudarstvennogo universiteta in. M.V.Lomonosova. (LIMPHATICS) (SPINAL CORD) (PHTSIOLOGICAL CHEMISTRY)

SNYAKIN, P.G., prof.; YESAKOV, A.I., kand.biolog.nauk

Mugcular sense. Zdorov'e 7 no.919-10 S '61. (MIRA 14:9)

(MUSCULAR SENSE)

### YESAKOV, A.I.

Metabolic nature of the automatism of nerve cells as exemplified in the spinal center of the lymph heart. Zhur. ob. biol. 22 no.2: 136-143 Mr-Ap '61. (MIRA 14:5)

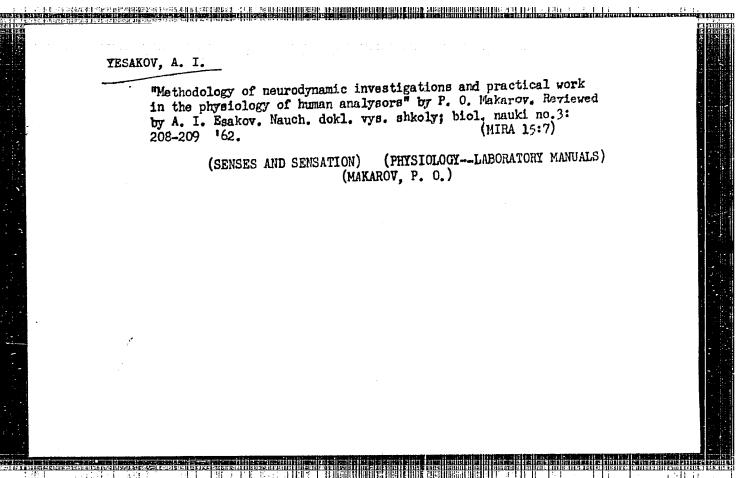
1. Department of Animal Physiology, State University of Moscow. (NERVES)

### YESAKOV, A.I.

Problems of the efferent regulation of receptors; based on an example of lingual chemoreceptors. Biul.eksp. bdol. 1 med. 51 no.3: 3-8 Mr '61. (MIRA 14:5)

1. Iz laboratorii fiziologii i patologii organov chuvstv (zav. prof. P.G.Snyakin) Instituta normal'noy i patologicheskoy fiziologii
(dir. - deystvitel'nyy chlen AMN SSSR V.V.Parin) AMN SSSR, Moskva.
Predstavlena deystvitel'stva chlenom AMN SSSR P.K.Anokhinym.

(RECEPTORS (NEUROLOGY)) (STOMACH)



SNYAKIN, P. G., prof.; YESAKOV, A. I., kand. biologicheskikh nauk

Our habits are stereotypes. Zdorov'e 8 no.11:4-5 !! '62.

(MIRA 15:10)

(HABIT)

### YESAKOV, A.I.

1 1 1 1

Effect of the sympathetic nervous system on the electric activity of tongue receptors. Trudy Inst. norm. i pat. fi-ziol. AMN SSSR 6:63-65 \*62 (MIRA 17:1)

l. Laboratoriya fiziologii i patologii organov chuvsts (zav.-prof. P.G. Snyakin) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962920002-0"

YESAKOV, A.I.; ZAYKO, N.S.

Effect of guanidine on the functional activity of taste receptors. Fizicl. zhur. 49 no.8:984-989 Ag 163.

(MIRA 17:2)

1. From the Laboratory for Physiology and Pathology of Sense Organs, Institute of Normal and Pathologic Physiology, U.S.S.R. Academy of Medical Sciences, Moscow.

YESAKOV, A.I.

Reflex regulation of "spontaneous" activity of tongue chemoreceptors. Biul. eksp. biol. i med. 56 no.8:7-11 Ag '63. (MIRA 17:7)

1. Iz laboratorii fiziologii i patologii organov chuvstv (zav. - prof. P.G. Snyakin) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V. Parin) AMN SSSR, Moskva. Predstavleno deystvitel'nym chlenom AMN SSSR P.K. Anokhinym.

### YESAKOV, A.I.

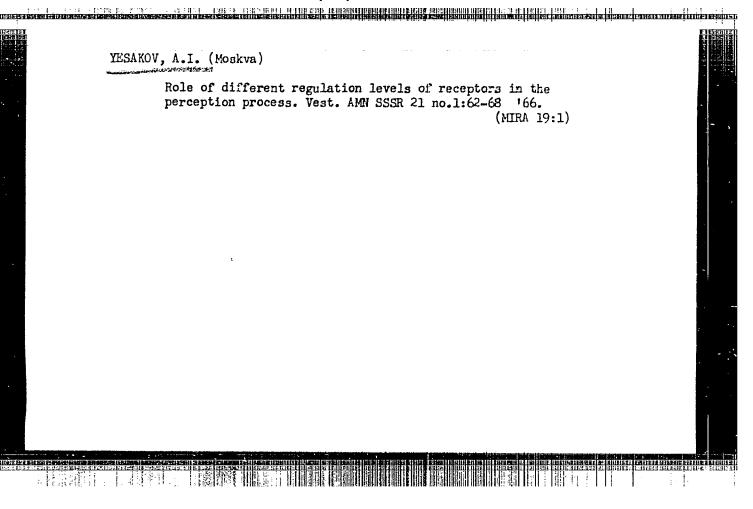
Efferent reactions in the hypoglossal nerve. Biul. eksp. bicl. i med. 56 no.ll:15-18 0 [i.e. N ] 163. (MIRA 17:11)

1. Iz laboratorii fiziologii i patologii organov chivatv (zav. - prof. P.G. Snyakin) Instituta normal'noy i patologicheskoy fiziologii (dir.-doystvitel'nyy chlen AMN SSSR prof. V.V. Parin) AMN SSSR, Moskva.

YESAKOV, A.I.

Fleetrophysiological analysis of the functional mobility and of processes regulating the taste receptor apparatus. Trudy Inst. norm.i pat.fiziol. ANN SSSR 7:43-44 64. (MIRA 18:6)

l. Laboratoriya fiziologii i patologii organov chuvstv (zav. - prof. P.G. Snyakin) Instituta normal noy i patologicheskoy fiziologii AMN SSSR.



### YESAKOV, A.I.; FILIN, V.A.

Physiological characteristics of the functioning of the taste receptor apparatus. Fiziol. zhur. 50 no.2:169-176 F '64.

(MIRA 18:2)

TENTIAL STATES AND THE STREET OF THE STATES AND THE

1. Iaboratoriya fiziologii i patologii organov chustv Instituta normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva.

### YESAKOV, A.I.

Possible specific stimulus of the "automatic" center of the lymph heart. Biul. eksp. biol. i med. 57 no.6:19-22 Je '64.

1. Kafedra fiziologii zhivotnykh Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.

### 

YUR'YEV, YU.K.; BAZAN, V.I.; YESAFOVA, A.N.; SELIVERSMOVA, S.M. AND CHERNYAKHOVER, S.I.

"The Catalytic Transformations of Heterocyclical Compounds" Part XVI. "Synthesis of Certain Pyridine and Quinoline Derivatives of Pyrrolidine" Zhur Obshch. Khim. 10, No. 21, 1940. Moscow Order To Lenin State University imeni M.V. Lomonosova, Laboratory of Organic Chemistry imeni Academician N. D. Zelinskiy. Received 26 May 1940.

U-1612, 3 Jan. 1952

### 

YESAKOV, I.S.; YASHCHENKO, Z.G.

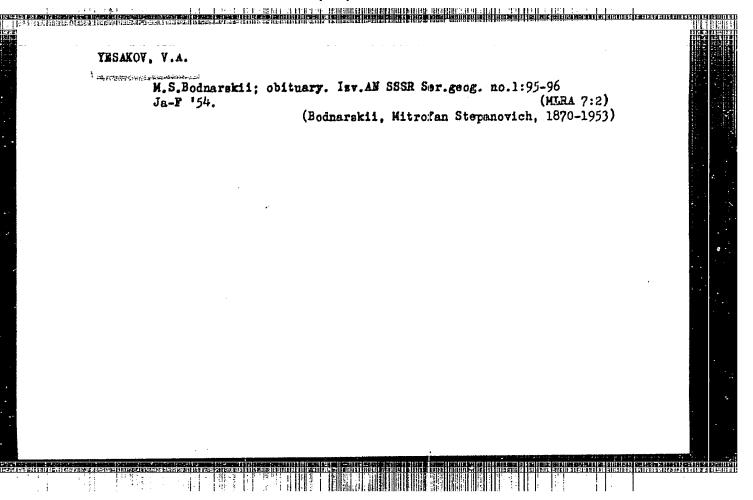
Interpreting vertical electric sounding curves by the T method. Razved. i prom. geofiz. no.30:50-54 '59. (MIRA 12:12) (Electric prospecting)

TASHCHERKO, Z.G.; TESAKOY. I.S.

Use of electric prospecting in studying the elastic properties of igneous rocks. Rarved.i prom.geeffs. no.33:23-29 '59.

(Right 13:4)

(Rocks--Electric properties) (Masticity)



#### CIA-RDP86-00513R001962920002-0 "APPROVED FOR RELEASE: 03/15/2001

USSR/Geography Education

Card

t 1/1 Pub. 15 - 8/20

Authors

: Esakov, V. A.

Title

: History of the origination of geography faculties at Russian universities

Periodical

t Izv. AN SSSR. Ser. geog. 4, 57 - 60, July - August 1951

Abstract

: History of the establishment of geography faculties at Russian universities

since the second half of the 19th century.

Institution

: Acad. of Sc. USSR, Institute of Natural History and Technique

Submitted

ESAKOV, V.A.
USSR/Geophysics - Moscow University

FD-1152

Card 1/1

Pub. 129-16/23

Author

: Yesakov, V. A.

Title

: From the history of geography in Moscow University (up to the establish-

ment of the chair of geography in 1884)

Periodical

: Vest. Mosk. un., Ser. fizikomat. i yest. nauk, 9, No 7, 131-136, Oct 1954

Abstract

: The Petersburg Academy of Sciences, founded in 1725, established in 1739 its Geographical Department. The author lists the numerous studies

and expeditions undertaken after this date.

Institution :

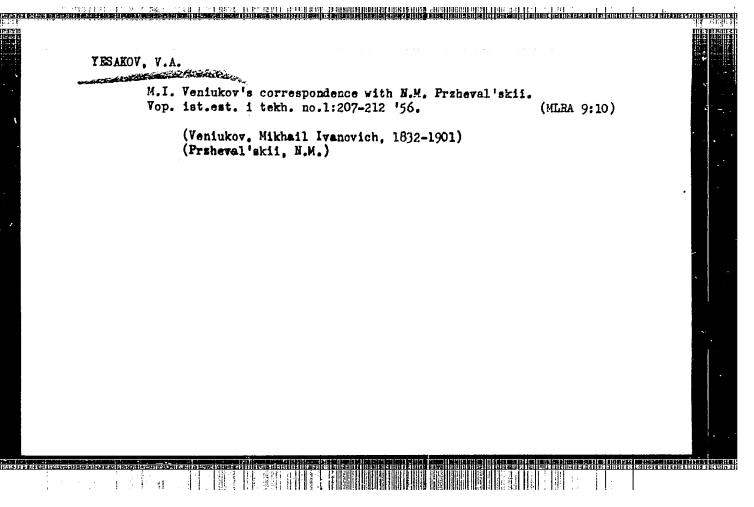
Submitted

: May 22, 1954

YESAKOV, V.A.; SOLOV'YEV, A.I., redaktor; VOLODINA, H.I., redaktor;

[D.N. Anuchin and foundation of the Russian academic geographical school.] D.N. Anuchin i sozdanie russkoi universitetskoi geograficheskoi shkoly. Moskva, Izd-vo Akademii nauk SSSR, 1955. 180 p.

(Anuchin, Dmitrii Nikolaevich, 1843-1923) (MIRA 8:10)



3(0)

SOV/10-59-3-21/32

AUTHOR:

Yesakov, V.A.

TITLE:

केल्याच्या सम्बद्धाः । कारण्यां स्थान् स्थान् । स्थान् १०० १०० मा स्थान्ति स्थान्ति स्थान्ति स्थान्ति स्थान्ति स्थानिक सम्बद्धाः । कारण्यां स्थान्ति । स्थान्ति । स्थान्ति स्थान्ति स्थान्ति स्थान्ति स्थान्ति स्थानिक स्थानि Scientific Contacts of A. Humboldt with Russian Scientists

PERIODICAL:

Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959,

Nr 3, pp 124-130 (USSR)

ABSTRACT:

This is areview of scientific contacts of A. Humboldt with

Russian scientists. There is 1 photograph, and 18 references, of which 15 are Russian and 3 German.

ASSOCIATION:

Institut istorii yestestvozmaniya i tekhniki AN SSSR (the

Historical Institute of the Science of Natural History and Tech-

nology, AS USSR).

Card 1/1

3( 507/10-59-4-28/29

AUTHOR: Yesakov, V.A.

TITLE: A. Humboldt's Anniversary in the USSR

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya

1959, Nr 4, p 158 (USSR)

ABSTRACT: The article is concerned with the 100th anniversary

of the death of A.v. Humboldt in the USSR. The following personalities and organizations participated in the commemoration of the great German scientist: Academician D.I. Shcherbakov, Corresponding Member AN SSR (AS USSR), S.V. Kalesnik, Academician A.A. Grigor yev, Corresponding Member AS USSR S.V. Obruchev, the Akademiya nauk SSSR (Academy of Sciences USSR), the Geograficheskoye obshchestvo SSSR (Geographical Society USSR), the Glavnaya goofizicheskaya observatoriya im. A.I. Voyeykova (Central Geophysical Observatory imeni A.I. Voyeykov), the Astronomicheskiy institut imeni P.K. Shternberga (Institute of

Card 1/3

SOV/10-59-4-28/29

A. Humboldt's Anniversary in the USSR

Astronomy imeni P.K. Shternberg), the Vsesoyuznoye botanicheshoye obshchestvo (All-Union Botanical Society), the Otdeleniye geologo-geograficheskikh nauk (Section of Geological and Geographical Sciences) AS USSR, the Institut istorii yestestvoznaniya i tekhniki (Institute of History of the Natural Sciences and Technology), the Sovetskoye natsional noye ob yedineniye istorikov yestestvoznaniya i tekhniki (Soviet National Association of Historians of Natural Sciences and Technology), the Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova (Moscow State University imeni M.V. Lomonosova, the Moskovskoye obshchestvo ispytateley prirody (Moscow Society of Maturalists), Obshchestvo sovetsko-germanskoy druzhby i nauchnykh svyazey (Soviet-German Society for the Promotion of Friendship and Scientific Connections), the Gosudarstvennyy istoricheskiy muzey (State Historical Museum), the Gosudarstvennyy muzey

Card 2/3

#### 

SOT/10-59-4-28/29

A. Humboldt's Anniversary in the USSR

izobrazitel'nykh iskusstv (State Museum of Graphic Arts), the Muzey zemlevedeniya MGU (Geographical Museum MGU), the Gosudarstvennoye izdatel'stvo geograficheskoy literatury (State Publishing House of Geographical Publications) and the Ministerstvo svyazi SSSR (Ministry of Communications USSR). There is 1 Soviet reference.

Card 3/3

YESAKOV, V.A.; SOLOV'YEV, A.I.; FEDOSEYEV, I.A., otv. red.;

[Russian geographical explorations of European Russia and the Urals in the 19th and the beginning of the 20th century] Russkie geograficheskie issledovaniia Evropeiskoi Rossii i Urala v XIX - nachale XX v. Moskva, Nauka, 1964. 177 p. (MIRA 17:11)

NAUMOV, Guriy Vasil'yevich; FEDOSEYEV, I.A., otv. red.; YESAKOV, V.A., red.; SOLOV'YEV, A.I., red.

[Russian geographical explorations in Siberia in the 19th century] Russkie geograficheskie issledovaniia Sibiri v XIX - nachale XX v. Moskva, Nauka, 1965. 146 p.

(MIRA 19:1)

YESAKOV, V.A.; PLAKHOTNIK, A.F.; ALEKSEYEV, A.I.; FEDOSEYEV, 1.A., otv. red.; SOLOV'YEV, A.I., red.

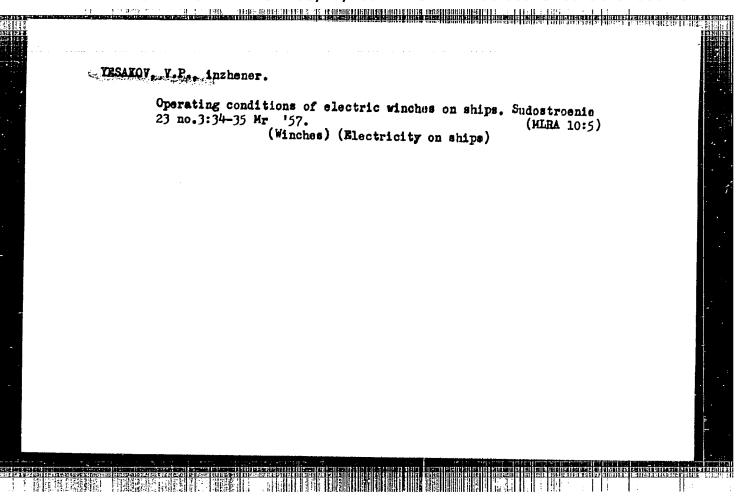
[Russian ocean and sea studies in the 19th to the beginning of the 20th century] Russkie okeanicheskie i morskie issledovaniia v XIX-nachale XX v. Moskva, Nauka, 1964.

158 p. (MIMA 18:1)

YESAKOV, Vasiliy Petrovich; PARFENOV, Eduard Yevgen'yevich;
PROZOROV, Valentin Alekseyevich; LERNER, D.M., red.

[Automated electric drive systems with regulated semiconductor rectifiers] Sistemy avtomatizirovannogo elektroprivoda s upravlisemymi poluprovodnikovymi vypriamiteliami.

Leningrad, 1964. 35 p. (MIRA 17:11)



YESAKOV, V.P., kand.tekhn.nauk

Systems for electric propelling units using steady current. Sudostroenie 25 no.2:31-34 F 159. (MIRA 12:4) (Electricity on ships)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001962920002-0"

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	ACC NR: AP6024083 SOURCE CODE: UR/0244/66/000/002/0235/0236	1	
	AUTHOR: Zav'yalov, A. S.; Got'man, A. A.; Molchanov, V. D.; Krasyuk, N. P.; Agranovskiy, K. Yu.; Borger, A. Ya.; Greyer, L. K.; Ycsakov, V. P.; Killer, Ye. V.; Pyatman, K. I.; Abryutin, V. N.; Gubanov, V. V.; Oranskiy, M. I.; Yevseyev, N. Ye.; Horkin, G. B.; Sinol'nikov, Yo. M.; Avilov-Karnaukhov, B. N.; Bogush, A. G.; Bolyayov, I. P.; Pekkor, I. I.; Chernyavskiy, F. I.  ORG: none  TITLE: O. B. Bron (on his 70th birthday)  SOURCE: IVUZ. Elektromokhanika, no. 2, 1966, 235-236  TOPIC TAGS: electric engineering personnel, circuit breaker		
	ABSTRACT: Osip Borisovich Bron was born in 1896 in Klintsi. In 1920, he graduated from the physics-math faculty of Khar'kov Technological Institute. He became a professor in 1930. He defended his dector's thesis in 1940. During the second world war, he was in the navy. After demodilization in 1950, Engineer Colonel Bron went to work teaching at the Leningrad Industrial Correspondence School. He became the head of the Chair of Theoretical Bases of Electrical Technology in 1958. He is closely associated with scientific and development work, and has cooperated closely in this area with the Leningrad "Elektrosila" plant since 1946. His work has been in the areas of spark-damping and high-power circuit breakers. He has published over 1/10 scientific works and 19 inventions. [JPRS]		
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		THE SELECTION	

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77094 **\$0**7/62-59-12-38/43

AUTHORS:

Zhuze, T. P., Zhurba, A. S., Yesakov, Ye. A.

TITLE:

Brief Communications. Investigation of P-V-t-N Relation and Phase Equilibrium in Ethylene-Cyclohexane System

PERIODICAL:

Izvestiya Akademii nauk. Otdeleniye khimicheskikh nauk,

1959, Nr 12, pp 2251-2253 (USSR)

ABSTRACT:

Investigation of binary systems of unsaturated gases and paraffins, naphthenes, and aromatic hydrocarbons, presents great practical interest in view of the high solubility of the latter in compressed unsaturated gases. P-V-t-N relationship of the ethylene-cyclohexane system was studied by the authors in a modified apparatus described by Sage and Lacey (Trans. Amer. Inst. Mining Met. Engrs., 1940, Nr 136, p 138). Isotherms V = f(p)t were traced in the range from 30 to 150° for ethylene-cyclohexane mixtures with 20 to 85 molar % ethylene, at pressures ranging from 10 atm to pressures somewhat above the saturation point of each mixture. Saturation pressures and the corresponding specific volumes were determined from these isotherms, and dew point pressures were established in a series of separate experiments.

Card 1/3 2

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Brief Communications. Investigation of P-V-t-N Relation and Phase Equilibrium in Ethylene-Cyclohexane System

77094 **90V/62-**59-12-38/43

Data thus obtained, served to trace isotherms p = f(N)t (where N is the molar share of ethylene dissolved in cyclohexane); isotherms of the equilibrium constant for ethylene and cyclohexane, K = f(P)t; and isotherms of molar volumes  $V_M$  of the binary system

plotted against molar share  $N_2$  of ethylene at 50 atm.

In this manner, the composition of the coexisting phases, the equilibrium constants of ethylene and cyclohexane at pressures up to 100 atm, and the molar volumes of mixtures at their saturation pressures, were determined in the temperature range from 30 to

125°. Molar volume isotherms at low temperatures were practically linear up to  $N_2 = 0.65$ ; at higher temperatures, the molar volume increases sharply starting with  $N_2 = 0.50$ . There are 3 figures; and 3 references, 120.8., 2 Soviet. U.S. reference is: B. H. Sage, W. N. Lacey, Trans. Amer. Inst. Mining. Met Engrs., 136, 138 (1940).

Card 2/3 2

Inst Geology Proceed Thered Fuels

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us sr

ZHUZE, T.P.; YUSHKEVICH, G.N.; USHAKOVA, G.S.; TESAKOV, Ye.A.

Critical parameters for oil and oil-gas systems. Neft.

khoz. 41 no.6:25-31 Je 163.

(MIRA 17:6)

AFANAS YEVA, V. B.; YESAKOVA, N. P.

Relation between the snow cover and G. J. Wangenheim's types of circulation. Trudy GGO no.151:77-80 '64. (MIRA 17:7)

ACCESSION NR: AT4046059

S/2531/64/000/166/0182/0188

AUTHOR: Yudin, M.I. (Doctor of physico-mathematical sciences); Yesakova, N. P.;
Afanas'yeva, V. B.

TITLE: Preliminary evaluation of the prognostic significance of the information obtained from meteorological satellites

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy\*, no. 166, 1964. Voprosy\* interpretatsii danny\*kh meteorologicheskikh sputnikov (Problems in the interpretation of data of meteorological satellites), 182-188

TOPIC TAGS: meteorology, meteorological satellite, cloud, precipitation, weather forecasting, long-range weather forecasting, snow cover, radiation balance

ABSTRACT: The objective of this paper was to develop a method for the preliminary characterization of anomalies of cloud cover, the radiation balance of the underlying surface and the limits of snow and ice cover for subsequent use of such characteristics in long-range weather forecasting. The authors establish statistical relationships between such anomalies and the characteristics of future weather (temperature and precipitation); certain direct characteristics of atmospheric circulation are also analyzed in relation to future weather. Determination of the characteristics of anomalies of the cloud cover,

Card 1/3

### ACCESSION NR: AT4046059

the boundaries of the snow and ice cover and the radiation balance was done using mean 10-day values for the period September-November 1948-1957. These values were mapped, after which the parameters characterizing the fields of individual elements were determined. The method used for constructing the maps and defining the characteristics of anomalies is described briefly. The state of atmospheric circulation was described using the zonal index devised by Ye. N. Blinova, the M.I. Yudin meridional index cribed using the zonal index devised by Ye. N. Blinova, the M.I. Yudin meridional index and the A. A. Rozhdestvenskiy hydrodynamic indices. These parameters were used to supplement the 10-day means of temperature and precipitation for an analysis of these values determined for a grid of points covering much of the European SSSR. Synchronous statistical relationships were established between the 10 mentioned parameters; statistical relationships were established between the 10 mentioned parameters; asynchronous prognostic relationships also were determined. The ten considered parameters were correlated with temperature and precipitation for the 10 days which followed. The computations of the correlation coefficients were performed on a "Ural-1" electronic maps were constructed. In a considerable number of cases relationships were discovered which are characterized by quite high correlation coefficients and with a stable identical

#### ACCESSION NR: AT4046059

sign for the entire considered area. It was found that the selected parameters generally give more information for prediction of temperature than for prediction of precipitation. However, an absence of prognostic relationships is noted on a number of maps. The method described made it possible to establish a number of parameters of the state of the atmosphere and the underlying surface which are quite closely related to the characteristic of future weather for 10 days in advance. The greater part of the parameters apply to those elements which cannot be determined globally except by use of meteorological satellites. This emphasizes the great importance of satellite observations for long-range forecasting. Orig. art, has: 2 formulas, 5 figures and 1 table.

ASSOCIATION: Glavnaya geofizioheskaya observatoriya Leningrad (Main Geophysical Observatory)

SUBMITTED: 00

ENCL: 00

BUT CODE: ES

NO REF SOV: 006

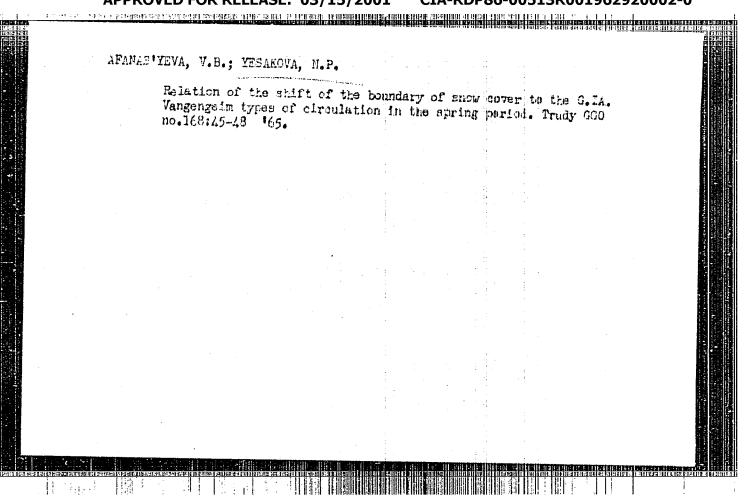
OTHER: 000

Card 3/3

AFANAS'YEVA, V.B.; YESAKOVA, N.P.

Statistical relations between the anomalies of certain weather characteristics. Trudy GCO no.165:105-113 '64.

(MIRA 17:9)



YUDIN, N.I.; YESAKOVA, N.P.; AFANAS'YEVA, V.B.

Preliminary evaluation of the pregnestic significance of information returned by meteorological satellites. Trudy GGO no.166:182-188 '64.

(HTRA 17:11)

YESAKOVA, R.

Objective method for determination of the liming stage of gelatin stock. R. Gorodetsvaya, M. Sheremet, M. Shakhnazarova, D. Virnik, V. Smirnova, and R. Yesakova. Myasnaya Ind. S. S. S.R. 25, No. 5, 52-4(1954). —The procedure for detg. the status of the liming of gelatin stock is based on extg. a sample and detg. extd. gelatin colorimetrically by means of the biuret readtion. Results are given for extractable gelatin in bome stock at 5-day intervals for 40 days of liming. Total extractable gelatin is detd. for various bones and other gelatin stock.

M. M. Piskur

GORODETSKAYA, R.V., kandidat khimicheskikh nauk; SHARHMAZAROVA, M.Sh.,
mladshiy nauchnyy sotrudnik; SHEREMENT, M.V.; VIRNIE, D.I.;
SMIRHOVA, V.Te.; DESLOVA R.

Reducing losses in gelatin production. Trudy VNIIMP no.7:108-113
'55. (MIRA 9:8)

1. Vsesoyusnyy nauchno-issledovatel'dkiy institut myasnoy promyshlennosti (for Gorodetskaya, Shakhnazarova, Sheremet); 2. Moskovskiy zhelatinovyy savod (for Virnik, Smirnova, Yesakova).

(Gelatin)

GORODETSKAYA, R.V., kandidat khinicheskikh nauk; SHAKHWAZAROVA, M.Sh., mladshiy nauchnyy sotrudnik; SHEREMET, M.V.; VIREIK, D.I.; SMIRHOVA, V.Ye.; YESAKOVA, R.

Methods of determining the degree of liming in gelatigenous tissues.

Trudy VNIIMP no.7:114-122 55. (MERA 0:8)

1. Vsesoyuznyy nauchno-issledovatel skiy institut myasnoy promyshlennosti (for Gorodetskaya, Shakhnazarova, Sheremet); 2. Moskovskiy zhelatinovyy zavod (for Virnik, Smirnova, Yesakova). (Gelating)

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